

Permit #: 20001

Date Issued: 2-3-71

County: Clinston

Date Cancelled: \_\_\_\_\_

CONFIDENTIAL UNTIL: \_\_\_\_\_

Date Plugged: 2-15-71

COMMENTS:

OCC FORMS	Date Received
1	
2	
3	2-3-71
3i	
4	
4i	2-3-71
5	
6	2-22-71
7	2-22-71
8	
11	
12	
Misc. Form 2	

	TYPE	ID #	Date Received
Logs			
Samples	chip		
	core		
Analyses	water		
	core		

Additional Submitted Data:

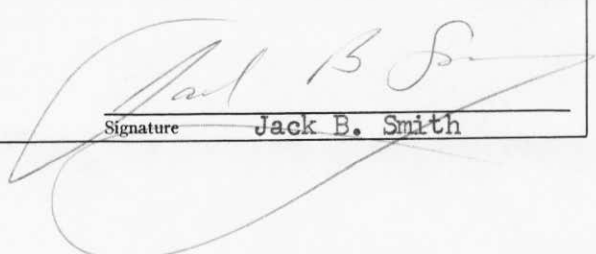
## MISSOURI OIL AND GAS COUNCIL

Reported  
AAPC  
GSD

Form OGC-3

## APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL ☒ DEEPEN ☐ PLUG BACK ☐NAME OF COMPANY OR OPERATOR JACK B. SMITH DATE February 2, 1971312 Perkins Bldg., Duncan, Oklahoma  
Address City State

DESCRIPTION OF WELL AND LEASE		
Name of lease <u>R. A. Schaeffer</u>	Well number <u>1</u>	Elevation (ground) <u>991.8 feet</u>
Well location <u>NE 1/4 SW 1/4</u>	(give footage from section lines) <u>1920 feet from South line &amp;</u>	Section — township — range or block & survey <u>Section 2, 56N-32W.</u>
<u>1970 feet from West line</u>		County <u>Clinton County</u>
Nearest distance from proposed location in property or lease line: <u>600 feet</u>	Distance from proposed location to nearest drilling, completed or applied — for well on the same lease: feet	
Proposed depth: <u>1,200 feet</u>	Rotary or Cable tools <u>Rotary</u>	Approx. date work will start <u>February 5, 1971</u>
Number of acres in lease: <u>180 acres</u>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>None</u>	
		Number of abandoned wells on lease: <u>None</u>
If lease, purchased with one or more wells drilled, from whom purchased:	Name	Address
No. of Wells: abandoned _____; inactive _____; producing _____		
Status of Bond <u>\$20,000.00 Blanket Bond</u>		
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)		
Proposed casing setting depth:	Conductor: _____	To be filled in by State Geologist
	Surface: _____	SAMPLES REQUIRED <input checked="" type="checkbox"/>
	Other: _____	SAMPLES NOT REQUIRED <input type="checkbox"/>
CERTIFICATE: I, the undersigned, state that I am the <u>owner</u> of the <u>lease</u> (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.		
<div style="border: 1px solid black; padding: 5px; text-align: center;"> RECEIVED FEB 3 1971 </div>		<div style="text-align: right;">   Signature <u>Jack B. Smith</u> </div>

Permit Number: 20001 MO. OIL & GAS COUNCILApproval Date: 3 Feb 71Approved By: [Signature]

Note: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

Remit two copies; one will be returned.

## 2005/

WELL LOCATION PLAT

Lease Name: ROBERT SCHAEFFER Clinton County, Missouri

1920 feet from (X) - (S) line and 1970 feet from (X) - (W) line of Sec. 2 Twp. 56N Range 32W

- 1970 feet-		0	Well Location				
		- 1920 feet -					

REMARKS: Well Elevation 991.8 feet,

Bench Mark at corner fence post is 992.3 feet.

Registered Land Surveyor:

Henry B. Allphin

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FEB 3 1971  
MO. OIL & GAS COUNCIL

(SEAL)

Remit two copies; one will be returned.

(701-018)

## MISSOURI OIL AND GAS COUNCIL

## WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

Reported by  
**AAPG**  
CSD

Form OGC-5

New Well ☐ Work-Over ☐ Deepen ☐ Plug Back ☐ Same Reservoir ☐ Different Reservoir ☐ Oil ☐ Gas ☐ Dry ☒

Owner <b>JACK B. SMITH</b>		Address <b>312 Perkins Bldg., Duncan, Oklahoma</b>	
Lease Name <b>R. A. Schaeffer</b>		Well Number <b>1</b>	
Location <b>1920 feet from South line &amp; 1970 feet from West line NE <math>\frac{1}{4}</math> SW <math>\frac{1}{4}</math>, Section 2, 56N-32W</b>		Sec. — TWP-Range or Block & Survey	
County <b>Clinton</b>	Permit number (OGC3 number) <b>20001</b>		
Date spudded <b>February 10, 1971</b>	Date total depth reached <b>February 15, 1971</b>	Date completed, ready to produce	Elevation (DE, RKB, RT or Gr.) <b>991.80</b> feet
Total depth <b>1175 feet</b>	Elevation of casing <b>987.80</b> feet		
Producing interval (s) for this completion		Rotary tools used (interval) From <b>0</b> to <b>1175 ft.</b>	
Was this well directionally drilled? <b>No</b>		Was directional survey made? <b>No</b>	
Type of electrical or other logs run (list logs filed with the State Geologist) <b>DIL - FDC - GR - Caliper</b>		Date filed	

## CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
<b>Surface</b>	<b>11"</b>	<b>8 &amp; 5/8"</b>	<b>22</b>	<b>124 ft.</b>	<b>150</b>	<b>None</b>

## TUBING RECORD

## LINER RECORD

Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)
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## PERFORATION RECORD

## ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Am't. & kind of material used	Depth Interval

## INITIAL PRODUCTION

Date of first production		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)					
Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity API (Corr)	
Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas—oil ratio	

Disposition of gas (state whether vented, used for fuel or sold):

Method of disposal of mud pit contents:

**Covered up with soil**

CERTIFICATE: I, the undersigned, state that I am the **individual & owner** of the \_\_\_\_\_ (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

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MO. OIL &amp; GAS COUNCIL

Signature

**Jack B. Smith**

Remit two copies; one will be returned.

# DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Glacial	0	78	Clay, gravel & sand
Douglas	78	105	Shale
Lansing-Kansas City	105	404	Limestone & Shale
Pleasanton	404	494	Shale & Siltstone
Marmaton	494	638	Shale & Siltstone
Cherokee	638	1158	Shale, Sandstone & Coal
Mississippian	1158	1176 TD	Limestone
POROSITY ZONE	663	668	Sandstone
" "	703	710	Sandstone
" "	776	800	Sandstone
" "	975	1000	(broken) Sandstone
" "	1105	1158	(broken) Sandstone

\*Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

## INSTRUCTIONS:

Attach drillers log or other acceptable log of well if available.

This Well Completion or Recompletion report and well log shall be filed with the Missouri State Geologist not later than 30 days after project completion.

MISSOURI OIL AND GAS COUNCIL

Form OGC-6

NOTICE OF INTENTION TO ABANDON WELL

Name of Lease R. A. Schaeffer Date February 16, 1971

Well No. 1 is located 1920 feet from (~~N~~) (S) line and 1970

feet from (~~E~~) (W) line of Section 2 Township 56N Range 32W

County \_\_\_\_\_ The elevation of the ground at well site is \_\_\_\_\_

\_\_\_\_\_ feet above sea level.

Name and address of Contractor or Company which will do work is:

McLennan Drilling Company

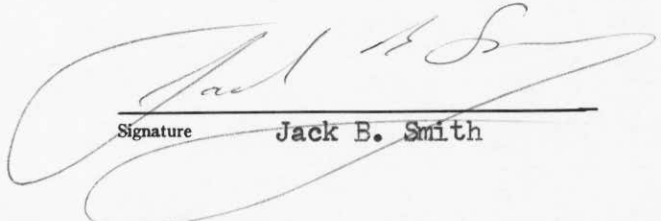
P. O. Box 6, Nowata, Oklahoma

DETAILS OF WORK

(Indicate size, kind, and depth of plugs, where casing will be pulled, other pertinent details)

Hole is full of heavy commercial drilling mud and a cement plug was set at 180 feet with 40 sacks of cement and a cement plug was set at 30 feet with 10 sacks of cement, with drilling mud in between plugs.  
No casing was pulled.

CERTIFICATE: I, the undersigned, state that I am the individual & owner of the \_\_\_\_\_ (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

  
Signature Jack B. Smith

RECEIVED  
FEB 22 1971  
MO. OIL & GAS COUNCIL

Remit three copies; one will be returned



**MISSOURI OIL AND GAS COUNCIL  
PLUGGING RECORD**

Form OGC-7

Reported by  
**AAPG**  
**CSD**

Owner <b>JACK B. SMITH</b>		Address <b>312 Perkins Bldg., Duncan, Oklahoma 73533</b>	
Name of Lease <b>R. A. SCHAEFFER</b>		Well No. <b>1</b>	

Location of Well <b>1920 feet from South line &amp; 1970 feet from West line</b>	Sec-Twp-Rge or Block & Survey <b>NE<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub>, Section 2, 56N-32W</b>	County <b>Clinton</b>
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Application to drill this well was filed in name of <b>Jack B. Smith</b>	Has this well ever produced oil or gas <b>No</b>	Character of well at completion (initial production) Oil (bbls/day) _____ Gas (MCF/day) _____	Dry? <b>Dry</b>
---	---	--	--------------------

Date Abandoned: <b>February 15, 1971</b>	Total depth <b>1175 ft.</b>	Amount well producing prior to abandonment. Oil (bbls/day) _____ Gas (MCF/day) _____	Water (bbls./day) _____
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Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of abandonment	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement.
<b>Dry hole</b>			<b>Set cement plug at 180 ft. with 40 sacks of cement filled up with drlg. mud to 30 ft. and cement plug set with 10 sacks of cement to surface.</b>

Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped etc)	Packers and shoes
<b>8 &amp; 5/8"</b>	<b>120 ft.</b>	<b>None</b>	<b>120 ft.</b>		

Was well filled with mud-laden fluid? <b>Yes</b>	Indicate deepest formation containing fresh water. <b>Glacial drift above 80 ft.</b>
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**NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE**

Name	Address	Direction from this well:
<b>L. Brockman</b>	<b>Stewartsville, Missouri</b>	<b>North</b>
<b>Davis-Noland Co.</b>	<b>Kansas City, Mo. 127 West 10th. St.</b>	<b>South &amp; East</b>
<b>Virgil Borton</b>	<b>Stewartsville, Missouri</b>	<b>South &amp; West</b>

Method of disposal of mud pit contents: <b>Covered up with surface soil.</b>
Use reverse side for additional detail File this form in duplicate with

CERTIFICATE: I, the undersigned, state that I am the individual & owner of the \_\_\_\_\_ (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Signature

**Jack B. Smith**

**RECEIVED**

**FEB 22 1971**

**MO. OIL & GAS COUNCIL**

Remit two copies; one will be returned

HALLIBURTON

SERVICES

A DIVISION OF HALLIBURTON COMPANY  
DUNCAN, OKLAHOMAWORK ORDER CONTRACT  
AND PRE-TREATMENT DATAATTACH TO  
INVOICE & TICKET NO.

404752

DATE 2-15-70

DISTRICT El Dorado, Kansas

TO: HALLIBURTON SERVICES

YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE

THE SAME AS AN INDEPENDENT CONTRACTOR TO:

Jack B. Smith

(CUSTOMER)

AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. #1 LEASE R. Schaffer SEC. 2 TWP. 56 RANGE 31WFIELD Wildcat COUNTY Clinton STATE Missouri OWNED BY Jack B. Smith

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE	SET AT						
TOTAL DEPTH <u>1172</u>	MUD WEIGHT						
BORE HOLE <u>6 3/4</u>							
INITIAL PROD: OIL BPD, H <sub>2</sub> O BPD, GAS MCF							
PRESENT PROD: OIL BPD, H <sub>2</sub> O BPD, GAS MCF							
		CASING	<u>4</u>	<u>28</u>	<u>8 5/8</u>	<u>G.L.</u>	<u>125</u>
		LINER					
		TUBING	<u>4</u>	<u>13.3</u>	<u>3 1/2</u>	<u>G.L.</u>	<u>180</u>
		OPEN HOLE					SHOTS/FT.
		PERFORATIONS					
		PERFORATIONS					
		PERFORATIONS					

PREVIOUS TREATMENT: DATE TYPE MATERIALS

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ☐ ANNULUS ☐ CASING ☐ TUBING/ANNULUS ☐ HYDRAULIC HORSEPOWER ORDERED

Drill Pipe @ 180ft, Spot 40 SKs, Cement Approx  
Fillup Approx top of Cement 40 to 50ft. In 8 5/8 Casing  
10 to 20ft. mud and Cement from 30ft. to surface.

CUSTOMER OR HIS AGENT STATES THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

As consideration, the above-named Customer agrees:

- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
- Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton; this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
- Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, being control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
- Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
- Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including but not limited to injury to the well, or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
- Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or services.
- At Customer's expense, to recover any Halliburton equipment, tools or instruments which are lost or damaged in the well, and if recovery cannot be had, to pay Halliburton for such equipment, tools or instruments unless such loss or damage is caused by the negligence of Halliburton.
- Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. There are no warranties, express or implied, of merchantability, fitness or otherwise which extend beyond those stated in the immediately preceding sentence. Halliburton limits its liability for breach of any warranty or for damages resulting from its negligence with respect to the use of such products, supplies or materials to the replacement or such products, supplies or materials as they return to Halliburton, or at Halliburton's option, to the allowance to Customer or credit for the cost of such products, supplies or materials.
- Upon Customer's default in the payment of Customer's account 60 days after receipt of invoice, such account will be subject to interest after date of billing until paid, to the extent it becomes necessary to employ an attorney to enforce collection of such account, Customer agrees to pay all collection costs and attorney fees in the amount of 20 percent of the amount of the unpaid account.
- Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

RECEIVED

FEB 22 1971

MO. OIL &amp; GAS COUNCIL

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED

E. Halim

CUSTOMER

DATE

2-15-71

TIME

2230 A.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER



# HALLIBURTON SERVICES JOB SUMMARY

Wichita, Kansas  
El Dorado, Kansas

BILLED ON  
TICKET NO.

404752

CUSTOMER

Jack W. Smith

LEADER R. Scholfer

WELL NO

61

JOB TYPE

Cementing

DATE

2-16-71

FORM 2012

WILDCAT

WELL DATA

SEC. 2 TWP. 56 RANG. 32W COUNTY Clinton STATE Missouri

FORMATION NAME TYPE

FORMATION THICKNESS FROM TO

INITIAL PROD. OIL BPD, WATER BPD, GAS MCFD

PRESENT PROD. OIL BPD, WATER BPD, GAS MCFD

COMPLETION DATE MUD TYPE MUD WT.

PACKER TYPE SET AT

BOTTOM HOLE TEMP. PRESSURE

MISC. DATA

D.P. NEW USED SIZE FROM TO WEIGHT MAXIMUM PSI ALLOWABLE

CASING 4 3 1/2 G.L. 180 13.3

LINER

TUBING

OPEN HOLE TOTAL DEPTH:

PERFORATIONS SHOTS/FT.

PERFORATIONS SHOTS/FT.

PERFORATIONS SHOTS/FT.

## JOB DATA

CALLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE 2-16	DATE 2-15	DATE 2-15	DATE 2-16
TIME 0700	TIME 2200	TIME 2400	TIME 0030

## PERSONNEL AND SERVICE UNITS

NAME	EMPL. NO.	UNIT NO. & TYPE	LOCATION
W. E. Butcher	21011	7489	El Dorado
T. P. Burkenn	14939	BAC	Kansas

## TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG		
HEAD 3 1/2 IF Swage	1	Halco
PACKER		
OTHER		

## MATERIALS

TREAT. FLUID DENSITY LB/GAL. API

DISPL. FLUID DENSITY LB/GAL. API

PROP. TYPE SIZE LB.

PROP. TYPE SIZE LB.

ACID TYPE GAL. %

ACID TYPE GAL. %

ACID TYPE GAL. %

SURFACTANT TYPE GAL. IN

NE AGENT TYPE GAL. IN

FLUID LOSS ADD. TYPE GAL. LB. IN

GELLING AGENT TYPE GAL. LB. IN

FRIC. RED. AGENT TYPE GAL. LB. IN

BREAKER TYPE GAL. LB. IN

BLOCKING AGENT TYPE GAL. LB.

PERFPACBALLS TYPE QTY.

OTHER

OTHER

DEPARTMENT Cementing

DESCRIPTION OF JOB Plug to Abandon

#1 - 40 SKS @ 180 FT. #2 - 10 SKS, 30 FT. to surface

Drill Pipe X CASING ☐ ANNULUS ☐ TBG/ANN ☐

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR W. E. Butcher COPIES REQUESTED

## CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU. FT./SK.	MIXED LBS./GAL.
1	40	Common A	Trinity	B			1.18	15.6
2	10	Common A	Trinity	B			1.18	15.6

## SUMMARY

### PRESSURES IN PSI

CIRCULATING DISPLACEMENT

BREAKDOWN MAXIMUM

AVERAGE FRACTURE GRADIENT

SHUT-IN INSTANT 5-MIN 15-MIN

HYDRAULIC HORSEPOWER

ORDERED AVAILABLE USED

AVERAGE RATES IN BPM

TREATING DISPL. OVERALL

CEMENT LEFT IN PIPE

to Surface REASON Requested

### VOLUMES

PREFLUSH: BBL. GAL. TYPE

LOAD & BKDN: BBL. GAL. PAD: BBL. GAL.

TREATMENT: BBL. GAL. DISPL. BBL. GAL.

CEMENT SLURRY: BBL. GAL.

TOTAL VOLUME: BBL. GAL.

REMARKS

Spot plug @ 180 Ft. Approx top 40 to 50 ft.

Spot plug @ 30 Ft. to Surface.

16 to 20 ft. mud between plugs.

Start Job - 2400 Completed 10030



A DIVISION OF HALLIBURTON COMPANY  
FORM 1906-R1

SEND ALL REMITTANCES TO  
P. O. DRAWER 1431  
DUNCAN, OKLAHOMA 73533

PAGE 1 OF  
1 PAGES

INVOICE & TICKET  
NO. 404752

WELL NO. AND FARM <i>#1 R. Schaffer</i>	COUNTY <i>Clinton</i>	STATE <i>Missouri</i>	DATE <i>2-16-71</i>
OWNER <i>Jack B. Smith</i>	CONTRACTOR <i>McKenna Drilling Co.</i>		DUNCAN USE ONLY
CHARGE TO <i>Jack B. Smith</i>	DELIVERED TO <i>Location</i>		LOCATION <i>1 E Dorado St. 50305</i>
ADDRESS <i>312 Perkins Bldg, Duncan, Okla.</i>	SHIPPED VIA <i>7489</i>		LOCATION <i>2</i>
DUNCAN USE ONLY	CUST. INV. REQ. ORIG. & <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	REQUISITION <i>Check # 4544</i>	LOCATION <i>3</i>
	ORDER NO. <i>4544</i>		BULK MATERIAL DELIVERY TICKET NO. <i>B-122637</i>
	TOTAL ACID - 30 DAYS		WELL TYPE <i>Wildcat</i>
	NO. COPIES		CODE <i>WC</i>

TYPE AND PURPOSE OF JOB  
*Grouting - Plug to Abandon*

TERMS: DUE BY THE 20TH OF FOLLOWING MONTH. INTEREST CHARGED AFTER 60 DAYS FROM DATE OF INVOICE.  
\$ \_\_\_\_\_ Cash discount allowed if paid by due date.  
\$ \_\_\_\_\_ Tax adjustment may be deducted if discounted.

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
090-910				10 Pump Charge	1	Co.				232	00
999-051				10 Expenses 2 Men	1	Day			45.00	45	00
504-043				10 Trinity Port. Cement					1.35	67	50
THIS IS NOT AN INVOICE											
				SERVICE CHARGE ON MATERIALS RETURNED		CU. FT.					
500-207		1B		SERVICE CHARGE	50	CU. FT.			.43	21	50
500-306		1B		4700	TOTAL WEIGHT 250	LOADED MILES 587.50			.25	146	88

TAX REFERENCES		SUB TOTAL	512.88
67.50 Kansas .034 TAX			2.03
TAX			
TAX			
TOTAL			514.91

WAS JOB SATISFACTORILY COMPLETED? \_\_\_\_\_  
WAS OPERATION OF EQUIPMENT SATISFACTORY? \_\_\_\_\_  
WAS PERFORMANCE OF PERSONNEL SATISFACTORY? \_\_\_\_\_

X \_\_\_\_\_ Customer or His Agent  
W.E. Butcher Halliburton Operator

CUSTOMER



# WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. **404736**  
DATE **2-11-71**

FORM 1908  
A DIVISION OF HALLIBURTON COMPANY  
DUNCAN, OKLAHOMA  
DISTRICT **Eldorado, Kansas.**

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE  
THE SAME AS AN INDEPENDENT CONTRACTOR TO **Jack B. Smith** (CUSTOMER)  
AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. **1** LEASE **R. Schaeffer** SEC **2** TWP **56 N** RANG **32 E.**  
FIELD \_\_\_\_\_ COUNTY **Clinton** STATE **Missouri** OWNED BY **Jack B. Smith**

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
CASING		<b>U</b>	<b>28</b>	<b>8 5/8</b>	<b>0</b>	<b>120</b>	<b>500</b>
LINER							
TUBING							
OPEN HOLE				<b>11"</b>			SHOTS/FT.
PERFORATIONS							
PERFORATIONS							
PERFORATIONS							

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
PACKER: TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
TOTAL DEPTH **120** MUD WEIGHT **9.4**  
BORE HOLE **11"**  
INITIAL PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF  
PRESENT PROD: OIL \_\_\_\_\_ BPD, H<sub>2</sub>O \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCF

PREVIOUS TREATMENT: DATE \_\_\_\_\_ TYPE \_\_\_\_\_ MATERIALS \_\_\_\_\_  
TREATMENT INSTRUCTIONS: TREAT THRU TUBING ☐ ANNULUS ☐ CASING ☒ TUBING/ANNULUS ☐ HYDRAULIC HORSEPOWER ORDERED  
**Cement w/ 150 SK po 2 mix Cement no gel. 370 c.c.**  
**Displace w/ NO plug, use 7 1/2 BBL to Displace 120 ft.**

CUSTOMER OR HIS AGENT STATES THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- As consideration, the above-named Customer agrees:
- To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
  - Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage, arising from subsurface damage.
  - Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure, testing, control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
  - Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
  - Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
  - Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or services.
  - At Customer's expense, to recover any Halliburton equipment, tools or instruments which are lost or damaged in the well, and if recovery cannot be had, to pay Halliburton for said equipment, tools or instruments unless such loss or damage is caused by the negligence of Halliburton.
  - Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. There are no warranties, express or implied, of merchantability, fitness or otherwise which extend beyond those stated in the immediately preceding sentence. Halliburton limits its liability for breach of any warranty to the replacement of such products, supplies or materials or to the reimbursement of such products, supplies or materials, up to the amount of the cost of such products, supplies or materials, at Halliburton's option, to the allowance to Customer of credit for the cost of such products, supplies or materials.
  - Upon Customer's default in the payment of Customer's account 60 days after receipt of invoice, such account will be subject to interest after date of defaulting until paid, in the event it becomes necessary to employ an attorney to enforce collection of such account, Customer agrees to pay all collection costs and attorney fees in the amount of 20 per cent of the amount of the unpaid account.
  - Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

**RECEIVED**  
**FEB 22 1971**  
**MO. OIL & GAS COUNCIL**

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT  
SIGNED **Jack B. Smith** CUSTOMER  
DATE **2-11-71**  
TIME **7:30** **7:30** P.M.

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

CUSTOMER





A DIVISION OF HALLIBURTON COMPANY  
FORM 1906-R1

SEND ALL REMITTANCES TO  
P. O. DRAWER 1431  
DUNCAN, OKLAHOMA 73533

PAGE 1 OF  
1 PAGES

INVOICE & TICKET  
NO. 404736

WELL NO. AND FARM 1 R. Schaefer	COUNTY Clinton	STATE Missouri	DATE 2-11-71
OWNER Jack B. Smith	CONTRACTOR McLennan Drlg. Co.		DUNCAN USE ONLY
CHARGE TO Jack B. Smith	DELIVERED TO Location		LOCATION Eldorado Run
ADDRESS 312 Perkins Bldg. Duncan, Oklahoma	SHIPPED VIA 8841		CODE 50305
DUNCAN USE ONLY	CUST. INV. REQ. ORIG. & <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	REQUISITION ORDER NO. 4536 TOTAL ACID - 30 DAYS	LOCATION 3
	BULK MATERIAL DELIVERY TICKET NO. B-122631		CODE
	WELL TYPE wildcat		CODE wc
	NO. COPIES		
TYPE AND PURPOSE OF JOB Cement. Surface		TERMS: DUE BY THE 20TH OF FOLLOWING MONTH, INTEREST CHARGED AFTER 60 DAYS FROM DATE OF INVOICE. \$ Cash discount allowed if paid by due date. \$ Tax adjustment may be deducted if discounted.	

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
090.050		1C		pumping charge	120	FT				190	00
000.117		1C		Mileage charge <sup>Pump</sup> Truck	2.15	Mi			.90	193	50
999.052		1C		operators Expenses	3	Men			22.50	67	50
504.043		1B		portland Cement					1.35	101	25
506.105		1B		pozmix "A"		SK			.83	62	25
509.406		1B		Calcium Chloride	4	SK			7.20	28	80

TAX REFERENCES			SUB TOTAL	1117	06
WAS JOB SATISFACTORILY COMPLETED?			TAX	5	77
WAS OPERATION OF EQUIPMENT SATISFACTORY?			TAX		
WAS PERFORMANCE OF PERSONNEL SATISFACTORY?			TAX		
X	Customer or His Agent	J. T. Ammerman	TOTAL	1122	83
		Halliburton Operator			

CUSTOMER

# HALLIBURTON SERVICES JOB SUMMARY

FORM 2012

HALLIBURTON  
DIVISION  
HALLIBURTON  
LOCATION

Wichita, Kansas  
Eldorado, Kansas

BILLED ON  
TICKET NO.

404736

WELL DATA  
2 SEC 32E TWP 32E R4G COUNTY Clinton STATE Missouri

FORMATION NAME	TYPE	FORMATION THICKNESS	FROM	TO	WEIGHT	MAXIMUM PSI ALLOWABLE
CASING	4	85/8	0	120	32	500
LINER						
TUBING						
OPEN HOLE	11"					
PERFORATIONS						SHOTS/FT
PERFORATIONS						SHOTS/FT
PERFORATIONS						SHOTS/FT

INITIAL PROD: OIL \_\_\_\_\_ BPD, WATER \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCFD  
PRESENT PROD: OIL \_\_\_\_\_ BPD, WATER \_\_\_\_\_ BPD, GAS \_\_\_\_\_ MCFD  
COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
MISC. DATA \_\_\_\_\_

## TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
ROTATION PLUG		
TOP PLUG		
HEAD	Swage	1 HALCO
PACKER		
OTHER		

## MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. ° API  
DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. ° API  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL. LB. \_\_\_\_\_ IN  
GELLING AGENT TYPE \_\_\_\_\_ GAL. LB. \_\_\_\_\_ IN  
FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL. LB. \_\_\_\_\_ IN  
BREAKER TYPE \_\_\_\_\_ GAL. LB. \_\_\_\_\_ IN  
BLOCKING AGENT TYPE \_\_\_\_\_ GAL. LB. \_\_\_\_\_  
PERFACBALLS TYPE \_\_\_\_\_ QTY. \_\_\_\_\_  
OTHER \_\_\_\_\_  
OTHER \_\_\_\_\_

## JOB DATA

CALLER OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
2-11-71	2-11-71		
DATE	DATE	DATE	DATE
01000	1700		
TIME	TIME	TIME	TIME

## PERSONNEL AND SERVICE UNITS

NAME	EMPL. NO.	UNIT NO. & TYPE	LOCATION
J.T. Ammerman	3428	7489	Eldorado
I.P. Burhenn		BAC	Kansas
Bill Whitley		8841	"
		BC	

DEPARTMENT Cementing  
DESCRIPTION OF JOB Surface - Displace  
w/ No plug.

JOB DONE THRU: TUBING ☐ CASING ☒ ANNULUS ☐ TBG/ANN. ☐

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR John T. Ammerman COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU. FT./SK	MIXED LBS./GAL.
150	poz	F	Monarch	B.	NO gel-	390 C.F.	1.07	15.20

## SUMMARY

### PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
SHUT IN INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_  
HYDRAULIC HORSEPOWER \_\_\_\_\_

### AVERAGE RATES IN BPM

TREATING \_\_\_\_\_ DISPL \_\_\_\_\_ OVERALL \_\_\_\_\_  
CEMENT LEFT IN PIPE \_\_\_\_\_  
FEET \_\_\_\_\_ REASON \_\_\_\_\_

### VOLUMES

PREFLUSH: BBL. GAL. \_\_\_\_\_ TYPE \_\_\_\_\_  
LOAD & BKDN: BBL. GAL. \_\_\_\_\_ PAD: BBL. GAL. \_\_\_\_\_  
TREATMENT: BBL. GAL. \_\_\_\_\_ DISPL: BBL. GAL. \_\_\_\_\_  
CEMENT SLURRY: BBL. GAL. \_\_\_\_\_  
TOTAL VOLUME: BBL. GAL. \_\_\_\_\_  
REMARKS \_\_\_\_\_

CUSTOMER Jack B. Smith  
LEASE R. Schaeffer  
WELL NO 1  
JOB TYPE Surface  
DATE 2-11-71

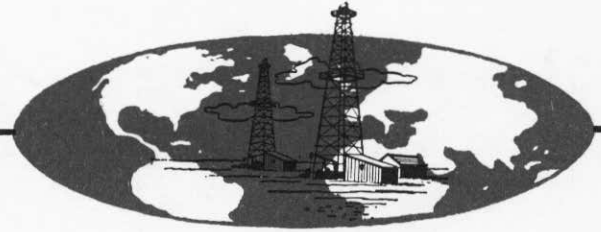


# Jack B. Smith OIL INVESTMENTS

POST OFFICE BOX 1287 — TELEPHONE AL 5-6095  
PERKINS BLDG. — DUNCAN, OKLAHOMA

73533

February 2, 1971



DR. WILLIAM C. HAYES  
State Geologist and Director  
Missouri Geological Survey  
P. O. Box 250  
Rolla, Missouri, 65401

RE: VANGUARD PROSPECT  
NE $\frac{1}{4}$  SW $\frac{1}{4}$ , Section 2-56N-32W  
#1 R. A. Schaeffer  
Clinton County, Missouri

Dear Dr. Hayes:

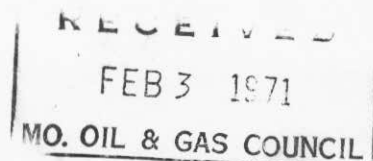
Enclosed please find the following:

Two copies of Application for Permit to Drill.  
Two copies of Well Location Plat.  
Check in the amount of \$25.00.

I have previously sent you a Blanket Bond in the amount of \$20,000.00, and Organization Report.

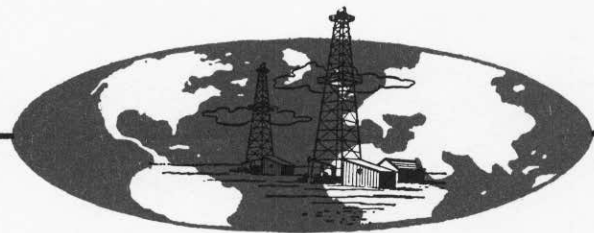
Yours very truly,

JACK B. SMITH



# Jack B. Smith OIL INVESTMENTS

POST OFFICE BOX 1287 — TELEPHONE AL 5-6095  
PERKINS BLDG. — DUNCAN, OKLAHOMA  
73533



February 16, 1971

DR. WILLIAM C. HAYES  
State Geologist and Director  
Missouri Geological Survey  
P. O. Box 250  
Rolla, Missouri 65401

RE: VANGUARD PROSPECT

R. A. Schaeffer Well No. 1  
NE $\frac{1}{4}$  SW $\frac{1}{4}$ , Section 2, 56N-32W,  
Clinton County, Missouri

Dear Dr. Hayes:

Enclosed, please find the following:

Lithologic Log,  
Induction - Electrical Log, and  
Formation Density Log,  
Notice of Intention to Abandon Well, in triplicate,  
Well Completion report, in duplicate,  
Plugging Record, in duplicate,  
Copy of Halliburton Work Order for Cementing Casing,  
in duplicate, and  
Copy of Halliburton Work Order for Plugging Well,  
in duplicate.

I have today sent you the samples taken at 10 ft. intervals,  
via Greyhound Bus. Please execute and return a copy of this letter  
after you have received the samples.

I would appreciate your department keeping all of the above  
information confidential for at least one year. If you could delay  
reporting the drilling of the above well to the various reporting services  
of the industry, I would certainly appreciate same.

If I can furnish you any other information, please call me.

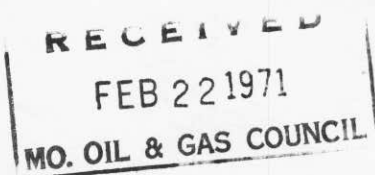
Yours very truly,

JACK B. SMITH

JBS/sr  
Encls.

Received the above items this 22nd day of February, 1971.

Dr. William C. Hayes  
State Geologist and Director



CONFIDENTIAL

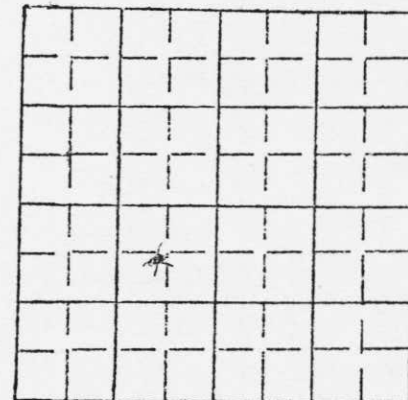
Release - 24-7-73

~~CONFIDENTIAL~~COUNTY ClintonMGS LOG NO. 26759COMPANY OR OWNER Jack B. SmithFARM Schaffet WELL NO. 1LOCATION 1920' N SL-1970' E WL SEC 2 T 56N R 32WCONTRACTOR NcLennan Drlg. Co.

DRILLER \_\_\_\_\_

COMMENCED 10 Feb. 71 COMPLETED 15 Feb. 71PRODUCTION Plugged and abd.CASING RECORD 8 5/8" surface @ 124' W/150 Steem~~WATER RECORD~~ no csg pulled w/plugged.

SOURCE OF LOG \_\_\_\_\_

REMARKS Drill, TDC - GR-Cal Gol w/DT availOrig.NO. SAMPLES 123ELEV. 991.8TOTAL DEPTH 1172 by Driller  
1172 by logger

SWL \_\_\_\_\_

FORMATION

FROM  
(FT)TO  
(FT)

FORMATION

*Release 24-7-73*FROM  
(FT)TO  
(FT)~~CONFIDENTIAL~~

Pleistocene	0	80
Pledge Gp.	80	105
Kansas City --Lansing	105	403
Pleasanton Gp.	403	500
Marmaton	500	649
Cherokee	649	1157½
St. Louis - Salum		